

ABSTRACT

5 New polymers and new anti-reflective compositions containing such polymers are provided. The compositions comprise a polymer (e.g., epoxy cresol novolac resins) bonded with a chromophore (4-hydroxybenzoic acid, trimellitic anhydride). The inventive compositions can be applied to substrates (e.g., silicon wafers) to form anti-reflective coating layers having high etch rates which minimize or prevent reflection during subsequent photoresist exposure and developing.

10062790 020102